

Ex. 5 - Deliberative

From: Marc Edwards <edwardsm@vt.edu>

Sent: Monday, September 21, 2015 04:49 PM

To: Schock, Michael; Lytle, Darren; Burneson, Eric; demarco.carol@epa.gov; Murphy, Thomas; Shoven, Heather; Deltoral, Miguel

Subject: Pediatrician's blood lead study and City of Flint response. FYI

Pediatrician's from Hurley medical center gave a medical briefing to the mayor, Croft and the City administrator about their blood lead data today.

To summarize what they found, they compared incidence of EBL (> 5 ug/dL) in the time period before and after the switch using their in-house data. Basically repeating my DC Lead study from 2009 methods.

For infants < 15 months, here is what they found.

- 1) Non-flint residents no change (0.5% pre vs. 0.5% post).
- 2) The two zip codes where we found the highest lead in water, EBL rose from 1.5% pre-switch to 4.4% after the switch.
- 3) For the rest of Flint (lower risk zip codes) the EBL incidence rose from 0.6 to 1.1%.
- 4) For all children less than 5 years old, EBL rose from 2.1% switch to 4.0% post-switch ($p < 0.05$)
- 5) For all children less than 5 years old, EBL rose from 2.5% pre-switch to 6.3% post-switch in the zip codes with highest water lead risk ($p < 0.05$).

The person said I could tell you the following. What follows are her exact words, not mine. I did put the red underline emphasis in there.

“The meeting included the mayor, Croft, city administrator, sen ananich and doctors. The city folks had a meeting this am with DEQ and EPA who gave them a blessing that they were in compliance with everything - they said all the water experts this am said their is no

"corrosivity" issue.

We pushed for a health advisory - even something saying "we are in compliance, but we don't know everything, we want to be safe, follow these precautions. "That would enable mobilization of additional resources. They seemed receptive to that. ?? I'm not sure what will happen - mayor is going to dc this week to see EPA? Croft said he has been sharing information with you. they are not blaming the water source, they are blaming sitting water and old pipes....they said population has decreased and more water is sitting."

The pediatrician's information is below. She said you could call her to verbally confirm what was said at the meeting.

Her cell phone is: **Ex. 6 - Personal Privacy**

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